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June 1981

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MEIFOROLOGICAL DATA RICOUS

17901AT HONEST JOHN Missile No. 349/351/356 Rcund No. 670ASL/671ASL/672ASL 3 June 1981

by

DONALD C. KELLER
Program Support Coordinator
Phone No. (505)679-9568
AVN No. 349-9568

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ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

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UNITED STATES ARMY ELECTRONICS COMMAND

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Round Numbers, 670ASL, 671ASL, and	672ASL	6. PERFORMING ORG. REPORT NUMBER
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Q. ABSTRACT (Continue on reverse side M necessary and	identify by block number)	
Meteorological data gathered for th		the 17901AT HONEST JOHN.
Missile Numbers 349, 351, and 356,	Round Numbers 67	70ASL 671ASL and 672ASL 24
missile numbers 349, 351, and 350, presented in tabular form.	IVALIA HAMBELS OF	onder of moet and office to the
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### INTRODUCTION

17901AT HONEST JOHN, Missile Number 349, 351, and 356, Round Numbers 670ASL, 671ASL, and 67:2ASL, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1021, 1043, and 1330 MDT, 3 June 1981. The scheduled launch times were 1000, 1030, and 1330 MDT.

### DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

### 1. Observations

### a. Surface:

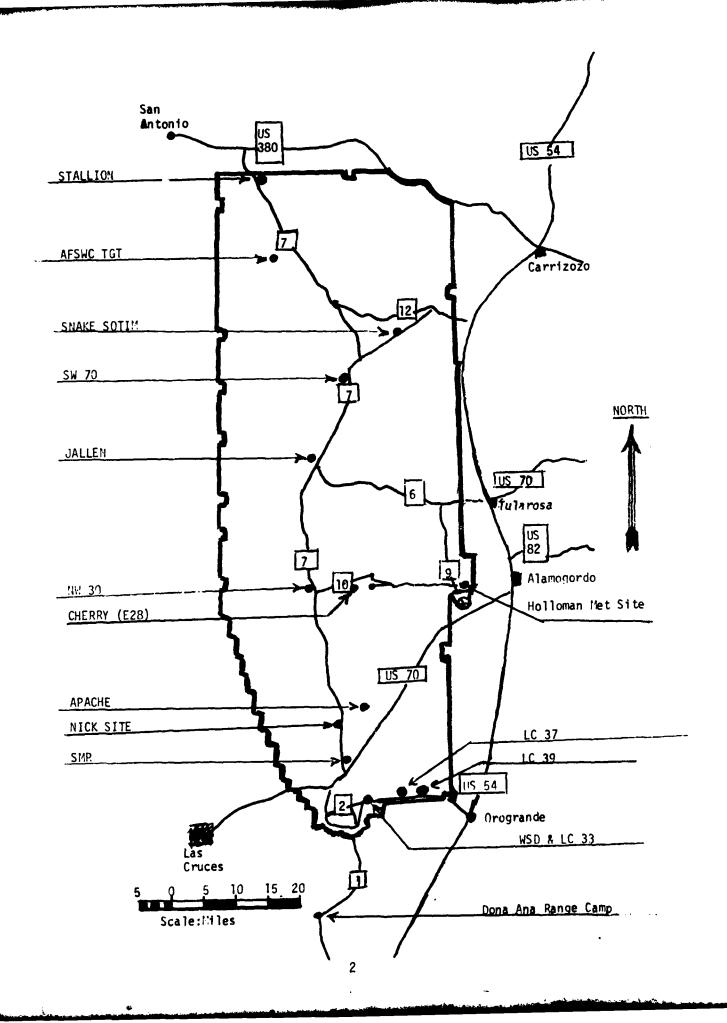
- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m $^3$ ), wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-o minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Mointor of wind speed and direction from one anemometer was also provided in the launch control room.

## b. Upper Air:

(1) Air structure data (rawinsonde) were collected at the following Met Sites:

### SITE AND TIME

WSD 0847 MDT LC-37 1015 MDT WSD 1230 MDT



# PPOJECT SURFACE OBSERVATION

1:316:7							σ,	STATION	16-33	33	
DAYE 3	June	81 VEAR	ļ					X= 484,982,64 Y=185,957,73 H=3983,00	γ <b>*</b> 18	5,957,73 H	3983 00
71 ME M D J	PRESSURE mb <b>s</b>	TE:1PERATURE OF OC	PATURE OC	DEW POINT OF OC	Jo C	PELATIVE HUMIDITY %	DENSIIY gm/m³	DIRECTION degs In	WIND SPEED kts	DIRECTION SPEED CHARACTER VISIBIL- degs In kts kts ITY	VISIBIL- ITY
1021	874.5		27.7		5.5	24	7001	100	4		<del>2</del> 0+
1043	874.4		27.5		5.2	24	1006	100	10		<del>-</del> 20+
1330	873.0		33.0		4.7	17	986	275	90		<del>2</del> 0+

Ct Office	2nd LAYER	T AMT TYPE HGT AMT TYPE HGT	3 CS 25000 3 CS 25000	000 6 CS 25000	000 2 67 25000
	_		9	7000	CU 8000
	1st U	AMT   TY	<b>n</b> o	<b>n</b> o 0	<b>4</b> CU
	OBSTRUCTIONS	TO VISIBILITY AMT   TYPE   HGT	!		

PSYCHROMETRIC COMPUTATION

TIME: MDT	1021	1043	1330
DRY BULB TEMP.	27.7	27.5	33,0
WET BULB TEMP.	14.5	14.3	
WET BULB DEPR.	13.2	13,2	17.0
DEW POINT	5.5	5.2	4.7
RELATIVE HUMID.	24	24	11

TABLE 2

LC-33 FIXED POLE ANEMOMETER MEASURED WINDS

1021 MDT 3 June 1981

POLE #1 X485,874 Y185,956 H4018.74 38.7 ft	8.90 4		POLE #2 X485,874 Y186,012 H4033.57 53.0 ft	1.93 2.00 7		Y186,11 H4063.9	POLE #3 X485,877.29 Y186,116.06 H4063.92 83.6 ft. AGL		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DI R DE G	SPEFD KTS	T-TIME SEC	DIR DEG	SPFED KTS	
T <sub>-30</sub>	CALM	CALM	T <sub>-30</sub>	021	02	T <sub>-30</sub>	063	03	
T <sub>-20</sub>	CALM	CALM	T <sub>-20</sub>	034	02	T <sub>-23</sub>	065	03	
T <sub>-10</sub>	052	02	T <sub>-10</sub>	034	01	T <sub>-10</sub>	055	03	
T <sub>0:0</sub>	052	01	T <sub>0.0</sub>	034	01	τ <sub>0.0</sub>	054	03	
T <sub>+10</sub>	052	03	T <sub>+10</sub>	050	02	T +10	056	04	

\_LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 1 X484,982.64		73, H3983.00 (base)		LEVEL #2, 62 FEET X484.982.64, Y185,057.73, H3983.00 (base)				
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS			
T - 30	CALM	CALM	T - 30	CALM	CALM			
T -20	CALM	CALM	T -20	CALM	CALM			
10	CALM	CALM	<b>T-1</b> 0	CALM	CALM			
13.0	CALM	CALM	T0.0	CALM	CALM			
[+10 <u></u>	111	01	T+10	CALM	CALM			

LEVEL #3, 10 X484,982.64	02 FEET 185,057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	CALM	CALM	T-30	CALM	CALM
, i	CALM	CALM	T-20	CALM	CALM
	CALM	CALM	T-10	CALM	CALM
·	128	01	T 0.0	CALM	CALM
• 1 %	128	01	T+10	CALM	CALM

# 1043 MDT 3 Jume 1981

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	4.29 8.90 4	,	POLE #2 X485,874 Y186,012 H4033.57 53.0 ft	1.93 2.00 7		POLE # X485,87 Y186,11 H4063.9 83.6 ft	7.29 6.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DI R DE G	SPEFD KTS	T-TIME SEC	DIR DEG	SPEED KTS
T <sub>-30</sub>	CALM	CALM	T <sub>-30</sub>	CALM	CALM	T -30	088	02
T <sub>-20</sub>	CALM	CALM	T <sub>-20</sub>	095	03	T -20	088	02
T_10	CALM	CALM	T <sub>-10</sub>	099	02	T -10	CALM	CALM
ъ.о	083	01	T <sub>0.0</sub>	CALM	CALM	T 0.0	CALM	CALM
T <sub>+10</sub>	083	01	T <sub>+10</sub>	106	01	T +10	CALM	CALM

TABLE \_\_\_\_LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 12 X484,982.64		73, H3983.00 (base)	LEVEL #2, 62 X484.982.64,		3, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T-30	051	03	T -30	083	01
T-20	045	03	T -20	080	02
T-10	088	02	T -10	081	03
	CALM	CALM	T 0.0	107	03
T+10	CALM	CALM	T +10	091	03

LEVEL #3, 10 X494,982.64	02 FEET , Y185,057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
T-IME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T-30	079	02	T -30	081	03
<u>.0</u>	081	02	T -20	081	03
F - 0	081	02	T -10	082	03
p.0	113	01	T 0.0	079	03
7-10	113	01	T +10	079	. 03

1330 MDT 3 June 1981

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	8.90 4		POLE #2 X485,874 Y186,012 H4033.55 53.0 ft	4.93 2.00 7		POLE # X485,87 Y186,110 H4063.92 83.6 ft	7.29 5.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
<u>F30</u>	144	05	T - 30	165	08	T - 30	160	03
т -20	153	12	T-20	203	12	T -20	123	02
T-10	273	03	T-10	264	15	T-10	229	03
T0.0	293	07	T0.0	287	10	T 0.0	358	05
T+10	270	08	T+10	273	07	T +10	300	06

TABLE LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 1 x484,982.64		73, H3983.00 (base)	LEVEL #2, 62 X484.982.64,		, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T- 30	269	04	T -3()	264	04
F20	270	04	T -20	255	06
-10	258	04	T-10	223	04
J.0	276	05	T 0.0	238	06
T+10	248	08	T+10	231	08

EVEL #3, 10 (484,982.64	02 FEET , Y185,057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
F30	243	07	T -30	248	07
- 0	246	08	T -20	245	07
7-1	225	09	<b>T</b> -10	219	09
~1.()	225		T0.0	217	08
. 10	224	09	T +10	223	. 08

# AIMING MET MESSAGES 3 June 1981

	MDT
METCM1324064 METCM1324063	
031480122874 031620124873	
00178003 29710874 00107003 29	960873
01252005 29580864 01039006 29	820863
02580004 29700840 02025004 29	650838
WSD 0847 MDT LC-37 1015 I	MnT
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METB31324064 METB31324063	
METB31324064 METB31324063 031480122837 031620124828	28

WSD 1230 MDT METCM1324064 

00427004 30650874 01453004 30500864 02497002 30170840 

SIGNIFICANT LLVEL DATA	1540020369	WHITE SAID'S	TARIF 6
	111006	3 JUNE 81 C8+7 HRS MDT	ASCENSION NO. 009

GEODLIIC COOKUIMATES 32.40043 LAT DEG 106.57033 LON DEG

REL.HUM. PERCENT	55 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
TEMPERATURE IR DEWPOINT RELS CENTIGRADE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TEMPE AIR DEGREUS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
GEOMETRIC ALFITUDE ASE FEET	3989.0 4694.3 4782.3 110238.4 110238.4 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.2 110023.3 110023.3 110023.3 11003	04477. 08508.
PKESSURL MILLIBAKS	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

	ASCENSION NO. JOS
IIIIM	3 JUNE 81 0847 HRS 1/81
154	STALLON ALTITUDE 3989.00 FEFT MSL
N3Url0	

| O|PER AIR DATA | GEODETIC COORDINATES | 1540020369 | S2.40043 LAT DEG | 106.37033 LON DEG | 106.37033 LO

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INDEX OF REFRACTION	1.000270	1.000270	1.000209	1.000270	1.000264	1.000259	1.000254	1.000249	1.000245	1.000240	1.000235	1.000231	1.000226	1.000222	1.000218	1.000214	1.000210	1.000207	1.000203	1.000199	1.000196	1.000192	1.000189	1.000185	1.000179	1.000174	1.000169	1.000166	1.000163	1.000160	1.000158	1.000155	1.000151	1.000148	1.000146	1.000143	1.000141	1.000138	1.900136	1.000134
PEED NOTS	•	5.9	2.1	2.0	5•6	3.6	3.4	Ю. Ю	2.5	1.7	3.0	2.5	7.0	8.7	6.6	11.0	11.6	12.4	13.1	14.1	15.8	17.9	20.4	55.6	54.6	25.0	22.7	21.0	19.9	20.0	21.0	ċ	19.3	18.7	18.6	19.4	20.4	21.9	23.5	24.2
WIMD DATA DIRECTION SI DEGREES(TN) K	100.0	9.46	75.7	34.9	3•6	358.1	14.7	25+3	10.2	345.8	284 • 0	271.2	271.0	269.7	265.7	261.2	253.0	546.6	5-552	242.5	240.7	239•3	238.0	240.1	245.1	249.5	253.4	526+5	257.6	255.6	251.7	250 • 4	2+0c2	254.6	261.0	263.1	263.8	264.7	h•<; a?	263-1
SPÉED OF SOUND KNOTS	671.6	671.6	4.699	672.6	671.3	6.649	9.509	667.0	663.5	664.1	002.6	661.2	659.7	658•3	650.4	655.2	653.7	652.2	650.6	649.1	647.3	645.5	643.7	641.9	640.3	638.8	637.3	635.9	634.5	633.1	631.7	650.3	630.2	629.2	620.0	620.7	6.25+4	624.2	6559	021.0
DENSITY S GM/CUBIC METER	1024.7	1024.4	1013.0	0.986	972.3	959.3	940.4	933.7	921.2	6.806	896.8	8.488	873.0	861.4	849.7	838.1	826.6	A15.3	804.2	793.2	782.6	772.3	762.1	752.1	741.3	730.0	720-1	709.2	698.5	688.0	677.6	h•199	654.4	643.4	633.1	623.0	613.1	603.3	593.7	2.4.5
REL.HUM. PERCENT	35.0	35.1	40.1	40.1	40.7	41.5	42.3	43.0	43.8	9.44	45.3	46.1	6•94	47.6	48.9	50.6	52.3	24.0	55.7	57.4	59.4	61.6	63.8	0.99	57.6	49.1	41.0	45.0	43.0	43.9	6.44	45.9	38•6	37.8	38.8	39.8	40.8	41.8	42.8	43.8
TENPLRATURE R DEWPOINT EES CENTIGRADE	9•9	9•0	6•8	9•1	A•3	7.5	6.7	5.9	5.0	4.2	3.3	2•4	1.6	.7	:	6.1	9.1-	-2.4	-3.1	0.4-	9.4-	-5.8	-6.8	-7.8	-10.6	-13.7	-16.9	-17.7	-14.5	-19.3	-50.1	-50.9	-22.9	-23.8	-24.5	-25.2	-25.8	-26.5	7.	-27.9
TCHPI Alk DEGKEES (	22.8	22.8	20.8	23.4	22•3	21.1	19.9	•	17.5	16.2	15.0	13.8	12•6	11.4	1001	8.8	7.5	6.3	2•0	3.7	۲•۲ د	۲.	8 · ·	-2.3	-3•ū	L-4-7	-5∙8	-7.0	-8.5	-9.3	-10.5	-11.6	-11.6	-12.4	-13.5	-14.5	-15.6	-16.6	-17.7	-18.7
PRESSURE	874.2	875.9	85u•6	247.7	850.8	814.2	799.8	785.7	771.8	758.1	744.8	731.6	710.7	700.0	693.3	680.6	564.1	655.9	643.9	632.1	620.3	600.7	597.3	28 <b>∪•</b> 0	574.9	564.9	555.1	542.4	531.8	521.5		501.4	491.6	481.8	474.2	462.8	455.6	444.5	430.6	451.0
GEUSETHIC ALLITUDE MSL FEET	3989.0	0.0004	4500.0	5000°	5500.0	0.0000	0.500.0	7000.0	7500.0	0.0000	8200.0	ù•0006	9500.9	10000	10500.0	11000.0	11500.0	12000.0	12500.0	13000.0	13500.0	14000.0	14500.0	15000.0	15500.0	16000.0	16500.0	17000.0	17500.0	18000.0	18500.0	19000.0	1950n.ņ	20000-1	20500.0	21000.0	21500.0	22000.n	22500.0	25000.0

; † ; †

	GEODETIC COOKUINATES	32.40043 LAT DEG	106.37033 LON DEG
UPPER AIR DAIA	1540820309	WHITE SAIDS	TARIE 7 CON'T
	141100 ALTITUOL 3989.00 FFET 115L		SCLUSION NO. JOS

6E0DETIC COOKUIHATES 32.40043 LAT DEG 106.37033 LOH DEG	INDEX ED OF TS REFRACTION	1.000131	25.5 1.000130	•	-	_		1.00012	-	1.00011	-	÷	<u>-</u>	-	-	-				0600001	25.4 1.000094	-		-	30.3 1.000087	_	-	36.4 I.000083		•	39.8 1.000077	~	-	1.00007	_	27.2 1.900069	-	÷	24.9 1.000064
of.01	WIND DATA UINECTION SPEED DEGREES(IN) KNOTS	2600.3	)									2								0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								217.3											259.0
1540020303 1540020303 WHITE SAIDS	UENSITY SPEED OF GMZCUBIC SOUND METER KNOIS	575.0 620.3				_	539.7 614.2		522.4 011.4			c	-				458.6 598.6		0 + 0 6 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +	<u> </u>	420.0 593.1	. ~		399-1 580-9		_		371.8 580.4								•		•	285.9 574.0
· F	REL.HUM. PERCENT	44.8	53.2		000	8.99	6.79	64.9	6.69	71.0	72.0	70.8	69.7	68.6	66.5	63.6	60.7	0 0	00.00 7.00 7.00	יני מיני		55.1	*	31.8**	13,3**														
989.00 FFET HSL 0847 HRS -DT	TEMPERATURE AIR DEMPOINT DEGREES CENTIGRADE	9.7 -26.7	•0 -28				•		•								-3/•1 -41•8 -48•1 -414·4		0.00-1 2.00-1 -0.01- F.011-7	•	·	·			-47.6 -03.8	6.84-	-50.1	151.2	-5.3°#		-55.7	-56•8	-57-4	-57.4	<b>-</b> 56•d	-56•9	-57.2	-50.0	-56•1
1 <sup>11</sup> 0L 3	PRESSURE A1 MILLIDARS DEGH	410.4														77.7									-			230.9							•				170-1 -56
STATION ALTITUDE 3 ) JUNE 81 ASCLUSION NO. J69	GFUNETRIC ALTITUDE MSC FEET	23500•0		0.00345	0.00042	650000	25500.0	50000°	20200.0	<7000.0	27500.0	20000°	28509.0	29000-0	2.25.00 0	0.00000	300015	0.00010	32000-0	3.500.0	33000.0	33500.0	34000.0	34500.0	35000.0	55500.0	3000°C	30500•n	37500.0	38000.0	385A0.0	33000.0	39500.0	Ú•0000h	40500.0	6.00014	41500.0	42000.0	42500.0

\*\* AT LLAST ONE ASSUMED RELATIVE HEADITY VALUE WAS USED IN THE INTERPOLATION.

DETIC COOMDINATES 32.40043 LAT DEG 106.37033 LON DEG	INDEX OF REFRACTION	1.000061			1.000052	٦.	<b>:                                    </b>		1.000046	• ~	٦.	<b>:</b> :	-	<b>⊣</b> ,	1.000038	1		1.000035		-	_		<b>-</b>	1.000029	• -	-	-		-	1.000025
6E0DETIC 32.40 106.33	NTA SPEEU KNOTS	24.4	23.6 22.6	20.8	13.9	12.6	13.8	25.0	15.4	15.7	16.6	18.3	18.7	19.3	14.8	12.1	6.5	2.4	5.3	7.5	7.7	7.5		7 · 8	6.6	11.0	11.3	9.6	7.9	6.9 6.6
	WIND DATA DIRECTION SI DEGREES(TN) KI	269•9	271.2 269.0	271.8 279.5	7.602	278.1	261.2	254.6	248.1	235.2	232 • 3	232•1	237.6	242.8	243.0 243.0	243.2	237.2	180.6	105.7	109.6	120.8	150.5	7.27	7.001	114.9	115.4	111.9	109.2	105.5	95.6
541A 59 55	SPLED OF SOUND NNOTS	573.9 573.5	573.7 574.0	575-8	572.1	571.5	570.2		568.8			568.5			564.7	568.3		568•8	_		_			0600	-			•		500.8 567.4
UPPER AIN DATA 1540020369 WHITE SANDS TABLE 7 CON'T	DENSITY S GM/CUBIC METER	272.7 266.6	253.7	242.4	232.0	227.0	217.3	212.6	203.1	198.3	193.6	184.5	180.1	1,5.8	167.3	163.2	159.3	155.5	140.1	145.0	142.3	139.7	136.3	1020	125.5	122.0	119.8	117.0	114.2	111.5 108.4
- F	REL.HUM. PERCENT																													
EET MSL S NDT	TEMPERATURE R DEWPOINT EES CENTISRANE														•															
3989.00 FEET NSL 0847 HRS NDT 9	TEMI AIR DEGHEES	-56.2	-56.3	-56.3 -56.5	-57.5	-57.9	-58.9	-59.4	-60.0	-60.0	-60.1	-60.2	-60.3	-60.3	-60.1	-60,0	0.09-	160.0	0.09-	9-09-	-61.9	-63.2	163.1	1.79	-61.1	-61.3	-61.6	-61.9	-61.8	-61.4
UDE 36	PRESSURE MILLIBARS	169.8 165.8	161.9 158.1	156.7	143.6	140.2	133.6	130.4	124.3	121.3	116.4	112.8	110.1	104.0	102.3	6.46	97.5	200	9.06	80.5	80.3	94.5	2 C C C C C C C C C C C C C C C C C C C	2009	70.4	74.5	74.7	71.0	6.4.3	67.6
STATION ALTITUDE 3 JUNE 81 ASCENSION NO. 3	GEONETRIC ALTITUDE MSL FEET	43500.0	44500.0	45500.0	47000-0	47500.0	48500.0	0.00064	50000.0	50500.0	51000.0	52000.0	52500.0	535000-0	54000.9	24500.0	55000.0	0.00035	56500.0	57000.0	57500.0	56000-6	0.0000	59000	0.00009	60500.0	01000.0	6150n·ņ	0.00020	6250 <b>0.</b> 0 6300 <b>0.</b> 0

STATION ALTITUDE	₹.	5989•00 FFET MSL 0 84 - 105 - 10T		UPPER AIN UNIA 1540020369	A1 20		vEUDLTIC	S COOKINIMATES
	٠ ئن		·	TABLE 7 CON'T			106.	32.40043 LAT LEG 106.37033 LON DEG
GFU.,ETRIC	PRESSURE	TEMPERATURE 6	REL.HUM.	DENSITY	J.	WINC DATA	4 A	INUTX
MSL FEET	MILLIDARS	DEGREES CENTIGRADE	נאכווי	METER	KNOTS	DEGREES (TH)	KNOTS	OF REFRACTION
6.5500.n	4.49	-60.7		105.0	567.9	61.3	6.8	1.000024
0.000+0	64.9	-60.3		102.9		0.90	9.4	1.000023
64506.0	61.4	6.66-		100.3	564.9	71.0	10.2	1.000022
0.00000	64.0	-59.5		7.76		7.5.7	12.1	1.000022
65500.0	56.5	-59.1		3·5 <sub>6</sub>		49.7	12.7	1.000021
0.0000	2/5	-58.7		92.3		102.4	14.0	1.000021
60500.0	55.7	- 58		4.06		111.9	15.6	1.000020
0.00074	) - ) (	-58•0		HG.1		115.1	15.6	1.000020
6,000.0	100	15/06		35.8 8.00		116.2	15.6	1.000019
68500.0	50.5	7.101 1.101 1.101		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	5/205	8.611	13.8	1.000019
0.00009	** 5 #	3.00		70.		200T	0.01	1.00001
69500.0	46.2	-56.1		77.4		HALL	6	1.00001
70000		35.55		75.5		87.6	20.6	1.000017
70500.0	40.	-55.5		73.7		87.0	21.3	1.000016
71000.0	* *	-55.2		71.8		4.18	20.8	1.000016
71500.0		-54.9		70.0		88-2	19.9	1.000016
72000.0		-54.6		60.3	_	89.1	19.0	1.000015
72500.0	41.8	-54.3		9•99		88.3	19.0	1.000015
7.5000-0	6.04	154.0		62.0		87.2	19.5	1.000014
73500.0	39.9	-53.5		63.3		80.3	19.5	1.000014
74000.0	39.0	-53•0		61.7		86.3	19.7	1.000014
74500.0	38.1	152.5		60.2		86+3	19.9	1.000013
750000	2.10	19240		78.7		86.1	20.2	1.000013
0.00007	300	101.0		5.70		or :	20.5	1.000013
70500	34.7	2.40		54.4	581.4	80.48	2002	1.000012
77000.0	35.9	6*64-		5.50		82.1	20.3	1.000012
77500.0	33.2	4.04-		51.6		81.6	20.4	1.000011
78000.0	36.4	6.64-		50.3	-	81.1	21.3	1.000011
78500.0	31.7	-48.4		49.1		80.9	23.4	1.000011
79000.0	30.9	6.24-		47.8	5.44.7	K0.7	25.5	1.000011
79500.0	30.2	n•2h-		46.6	585•4	82.7	27.1	1.000010
0.00000	27.5	-116.9		15.5	586•0	<b>βο•1</b>	28.3	1.000010
80500.0	20.9	-116.5		* • <del>*</del> •		1.68	29.7	1.000010
01000.0	20.0	146.1		43.3		91•3	30.0	1.000010
81500-0	٠,	7-54-		42.5		95.5	29.B	1.000009
82000.0	0.72	1.55 d		41.5		95•3	9.6	1.000009
82500.0	2 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	Ø****		£.04		97.5	29.4	1.000009
0.0000	ô	0.44		39.3	569.1	5.66	29.1	1.000009

3989+00 FEET MSL 0847 HRS NDI
TEMPERATURE REL.HUM. AIR DEMPOINT PERCENT DEGREES CENTIGRADE:
-44.1
-43.7
-43.3
-42.9
-42.5
-42• <u>1</u>
/ · I · J
-41.3
6.04-
S-04-
0.04.
99.9
-34•B
-39•8
-39•8 -0
139.7
7.66-
/ • 50 = 1
934.6
139.6
134.5
-34.5
134.0
15V-4
7 C C C C C C C C C C C C C C C C C C C
E-96E-
-39.3
-39.2
-39.2
-38.9
-38.5
-38.0
-37.6
-37.2
-30.8
-36•4
-36.0
-35.5
1.0

GEUDETIC COORDINATES 52-40043 LAT DEG 106-37033 LON DEG		INDEX	SPEED OF KNOTS REFRACTION	39.8 1.000003	40.8 1.000003	41.8 1.000003	40.7 1.000003	39.5 1.000003	38.4 1.000003	1.000003	1.000003	1.000003	1.000003	1.000003
<b>3</b> 9		Ą	DEGREES (TN) KA	89.3	89.6	89.9	91.7	93.8	62.6					
۲۸۱۸ ده ده	<u> </u>	SPEED OF	KNOTS	601.6	602.1		603.3							
UPPER AIN DATA 1540020309 WHITE SANDS	TABLE 7 CON'T	REL. HUM. DENSITY SPEED OF	WETER	15.2	14.9	14.5	14.2	13.9	13.5	13.2	12.9	12.6	12.3	12.0
)		REL.HUM.	rekten.											
ET ASL NDT		TEMPERATURE B DEMOCINE	BARS DEGREES CENTIGRADE											
E 3989.00 FFET MSL 0847 HRS NDT 369		TEM	DEGREES	-34.7	-34+3	-33.9	-33+3	-32.8	-32.2	-31.6	-31-1	-30.5	-59.9	-59.4
5		PRESSURE	ILLI	10.4	10.2	10.0	ω• <b>ົ</b>	9.6	<b>5</b>	٠. ۲.	٥.	с. Э	მ•შ	ŋ•p
STATION ALTITUDE 3 JUNE 81 ASCENSION NO.		GEOMETRIC	MSL FEET	103500.0	104000.0	104500.0	1000001	105500.0	1000000	100500.0	107000.0	107500.0	1000001	108500.0

| VI A        | SPEED     | KNOTS   | 1.9   | 3.4   | Z.3   | 5.6  | 12.7   | 19.8   | 22 • 1   | 20.4  | 21.0   | 20.5   | 25.3  | 20.0  | 31.1   
   
  | 6.62   | 24 • B  | 17.8  
   
  | 15.4   | 12.5  
  | 8.2  | 8.7   | 11.8   | 17.4   | 19.4  | 27.4  
   | 26.7   | 27.7  | 56.9   | 41.6  |
|-------------|-----------|---|---|---|---|--|--|--|--|---|--|--|---|---
--
---|--|---
--
--|--
--
--|--|---|--|--|---|---|--
---|--|---|
| d Oyla      | DIRECTION | DEGREES (IN)  | 55.3  | 15.1  | 297.0   | 267.7  |  |  |  |   |  |  |   |   |  
   
  |  |   |   
   
  |  |   
  |  |   |  |  | 96.4  | | | | | | | | | | |
   |  |   | 76.2   | 6.68  |
| REL.HUM.    | PERCENT   |   | 42.   | 42.   | 45.   | 48.  | 55.  | 63.  | 41.  | 46.   | 41.  | -09  | 71.   | 56.   |  
   
  |  |   |   
   
  |  |   
  |  |   |  |  |   | | | | | | | | | | |
   |  |   |  |   |
| ERATURE     | DEWPOINT  | SENTIGHADE  | 8•1   | 6.7   | 3.0   | ?  | -2.7   | -6.5   | -17.2  | -21.0   | -26.1  | -27.2  | -33.6   | Z. pp.  |  
   
  |  |   |   
   
  |  |   
  |  |   |  |  |   |   
   |  |   |  |   |
|             |           |   | 21.6  | 19.9  | 15.5  | 10.8   | 5.6  | ÷:   | ~·9-   | -11.A   | -16.0  | -22.6  | -30-1   | -38·A   | -48.6  
   
  | -57.4  | -55.7   | -56.6   
   
  | -59.9  | 0.09-   
  | -62.0  | -62.0   | -59.5  | -56.6  | -53.6   | -47.2   
   | 6.55   | -39.9   | -39.4  | -33.9   |
| OPOTENTIAL  | ļ         | - FE  | 4784.   | 6511.   | 8323.   | 10228.   | 12238.   | 14366.   | 16625.   | 19047.  | 21679.   | 24556.   | 27725   | 31257.  | 35282.   
   
  | 39986.   | 42763.  | 45977.  
   
  | 49739.   | 54307   
  | 58854.   | 01570   | 64717.   | 68485•   | 73160.  | 79318.  
   | 03306.   | <b>ὐ</b> 8265∙  | 94720.   | 103905.   |
| PRESSURE GE |           | MICLIBAKS   | 850.0   | n•00x   | 150.0   | 700·u  | 0.059  | 0.009  | 250•U  | 509.0   | 450.0  | 0.001  | 350.0   | 300.0   | 550.0  
   
  | 500.00   | 175.0   | 150.0   
   
  | 125.0  | 100.0   
  | 0.08   | 70.0  | U•09   | 20.0   | 0.04  | 30.0  
   | 25.0   | 50.0  | 15.n   | 10.0  |
|             |           | GEOPOTENTIAL TEMPERATURE REL.HUM. WIND DATE OF THE DEWPOLLS PERCENT DIRECTION | TEMPERATURE REL.HUM. "IND DAT<br>AIR DEWPOLHT PERCENT DIRECTION<br>DEGREES CENTIGRADE DEGREESSTN) | GEOPOTENTIAL TEMPERATURE REL.HUM. "IND DATA AIR DEWPOTHT PERCENT DIRECTION FEET DEGREES CENTIGRADE DEGREESITN)  0 4784. 21.6 8.1 42. 55.3 1 | GE OPOTENTIAL       TEMPERATURE       REL.HUM.       "IND DAT         AIR       DEWPOTHT       PERCENT       DIRECTION         FEET       DEGREES CENTIGRADE       DEGREESITN         0       4784.       21.6       8.1       42.       55.3       1         0       6511.       19.9       6.7       42.       15.1       3 | GE OPOTENTIAL       TEMPERATURE       REL.HUM.       "IND DATA         AIR       DEWPOTHT PERCENT       DIRECTION         FEET       DEGREES CENTIGRADE       DEGREES(TN)         0       4784.       21.6       8.1       42.       55.3       1         0       4784.       19.9       6.7       42.       15.1       3         0       8323.       15.5       3.6       45.       297.0       2 | GE OPOTENTIAL       TFMPERATURE       REL-HUM.       wIND DATA         AIR       DEWPOTHT PERCENT       DIRECTION         AIR       DEWPOTHT PERCENT       DIRECTION         0       4784.       21.6       8.1       42.       55.3       1         0       4784.       21.6       8.1       42.       55.3       1         0       6511.       19.9       6.7       42.       15.1       3         0       8323.       15.5       3.0       45.       297.0       2         0       10228.       10.8       .2       40.       267.7       9 | GE UPOTENTIAL         TFMPERATURE         REL.HUM.         wIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEGREES CENTIGRADE         DEGREESITN           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         8323.         15.5         3.0         45.         297.0         2           0         10228.         10.8         .2         48.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12 | GE UPOTENTIAL         TFMPERATURE         REL.HUM.         wInd DATA           AIR         DEWPOINT         PERCENT         DIRECTION           ATR         DEGREES CENTIGRADE         DEGREESTIN           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         8323.         15.5         3.0         45.         297.0         2           0         10228.         10.8         .2         40.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.        4         -6.5         63.         238.3         19 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA LIGHT           AIR         DEWPOINT         PERCENT         DIRECTION           FEET         DEGREES CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         8323.         15.5         3.6         45.         297.0         2           0         1028.         5.6         -2.7         55.         245.5         12           0         14366.         -4         -6.5         63.         234.3         19           0         16625.         -6.2         -17.2         41.         254.0         22 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         DIRECTION           PEET         DEGREES CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4323.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.         -4         -6.5         63.         254.3         19           0         16225.         -6.2         -17.2         41.         254.3         20           0         19047.         -11.8         -21.0         46.         250.3         20 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         15.1         3           O         8323.         15.5         3.6         45.         297.0         2           O         12238.         5.6         -2.7         55.         245.5         12           O         12238.         5.6         -2.7         55.         245.5         12           O         19047.         -11.8         -21.0         46.         250.3         20           O         21679.         -26.1         41.         250.2         21 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         6.7         42.         15.1         3           O         1928.         10.8         .2         49.         297.0         2           O         12238.         5.6         -2.7         55.         245.5         12           O         12238.         -6.2         -7.7         55.         245.5         12           O         19625.         -6.2         -17.2         41.         254.0         2           O         19625.         -6.2         -17.2         41.         254.0         2           O         21679.         -22.0         41.         254.2         2           O         24556.         -22.6         -27.2         60.         256.5< | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         6.7         42.         15.1         3           O         19228.         10.8         2         49.         297.0         2           O         12238.         5.6         -2.7         55.         245.5         12           O         12238.         -4.         -6.5         41.         254.8         22           O         19625.         -6.2         -17.2         41.         254.8         20           O         21679.         -16.0         -26.1         44.         254.2         20           O         24556.         -22.6         -27.2         66.         256.5         25           O         27725.         -30.1         -27.2         2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         6511.         19.9         6.7         42.         15.1         3           0         1928.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         1436.         -17.2         41.         254.0         21           0         19047.         -11.8         -21.0         44.         254.2         254.2           0         22.6         -22.6         -27.2         60.         254.2         256.2           0         2455.         -30.1         -31.5         71. <td< td=""><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         HIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         15.1         3           0         453.         297.0         2         49.         297.0         2           0         10228.         10.8         2         49.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.         -6.2         -17.2         41.         254.0         2           0         19047.         -11.8         -21.0         44.         256.3         2           0         24556.         -22.6         -27.2         6u.         256.5         2           0         27725.         -30.1         -33.6         71.         259.2         20</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UDINECTION           G 4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6    
    8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         43.3         15.5         3.6         -2.7         59.0         297.0         297.0           0         12236.         -6.2         -2.7         55.         245.5         19           0         1436.         -6.2         -4.1         250.3         20           0         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -22.6         -27.2         60.         256.5         20           0         2455.         -30.1         -33.6         71.</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UINECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         1028.         15.5         3.6         -2.7         59.0         297.0         297.0           0         1228.         5.6         -2.7         55.         245.5         12           1         1436.         -6.2         -17.2         41.         254.0         25           0         19047.         -11.8         -21.0         46.         250.3         21           1         16625.         -6.2         -17.2         41.         264.2         21           0         21655.         -22.6         -27.2         60.         256.5         20           2         25.5         -30.1         <t< td=""><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         2           0         19047.         -11.8         -21.0         46.         250.3         20           0         21625.         -22.6         -22.6         254.2         20           0         21679.         -22.6         41.0         256.5         20           0         21679.         -22.6         24.2         256.5         20</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.0         42.         15.1         3           0         10228.         10.8         2.         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         19           0         19047.         -11.8         -21.0         44.         250.3         20           0         21679.         -22.6         -27.2         6u.         250.3         20           0         2455.         -30.1         -27.2         6u.         259.2         20           0         2772.         -38.6         -57.4         <td< td=""><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         29           0 19047.         -11.8         -21.0         45.         254.2         21         2           1 16625.         -6.2         -6.2         41.         264.2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 2655.         -7.         -2.         41.         2         2         2           2 265.</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         259.0         2           G611.         19.9         6.7         42.         15.1         3           G628.         15.5         3.0         45.         297.0         2           G628.         -6.2         -17.2         41.         250.7         2           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -27.2         60.         250.3         20           G645.         -25.7         -33.6         71.         267.2         20           G65.&lt;</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6        
8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1490.         -22.6         -27.2         60.0         256.5         20           1         245.         -25.4         -25.4         56.6         256.5         20           1</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         DEGREES (TN)           AIR         DEWPOINT         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4228.         3.4         42.         15.3         1         3           0         4228.         3.4         42.         15.1         3         1         3         1         4         4         4         2         1         3         1         4</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         &lt;</td></td<></td></t<></td></td<> | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         HIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         15.1         3           0         453.         297.0         2         49.         297.0         2           0         10228.         10.8         2         49.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.         -6.2         -17.2         41.         254.0         2           0         19047.         -11.8         -21.0         44.         256.3         2           0         24556.         -22.6         -27.2         6u.         256.5         2           0         27725.         -30.1         -33.6         71.         259.2         20 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UDINECTION           G 4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         43.3         15.5         3.6         -2.7         59.0         297.0         297.0           0         12236.         -6.2         -2.7         55.         245.5         19           0         1436.         -6.2         -4.1         250.3         20           0         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -22.6         -27.2         60.         256.5         20           0         2455.         -30.1         -33.6         71. | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UINECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         1028.         15.5         3.6         -2.7         59.0         297.0         297.0           0         1228.         5.6         -2.7         55.         245.5         12           1         1436.         -6.2         -17.2         41.         254.0         25           0         19047.         -11.8         -21.0         46.         250.3         21           1         16625.         -6.2         -17.2         41.         264.2         21           0         21655.         -22.6         -27.2         60.         256.5         20           2         25.5         -30.1 <t< td=""><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         2           0         19047.         -11.8         -21.0         46.         250.3         20           0         21625.         -22.6         -22.6         254.2         20           0         21679.         -22.6         41.0         256.5         20           0         21679.         -22.6         24.2         256.5         20</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.0         42.         15.1         3           0         10228.         10.8         2.         40.         297.0         2           0         12238.         5.6         -2.7    
    55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         19           0         19047.         -11.8         -21.0         44.         250.3         20           0         21679.         -22.6         -27.2         6u.         250.3         20           0         2455.         -30.1         -27.2         6u.         259.2         20           0         2772.         -38.6         -57.4         <td< td=""><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         29           0 19047.         -11.8         -21.0         45.         254.2         21         2           1 16625.         -6.2         -6.2         41.         264.2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 2655.         -7.         -2.         41.         2         2         2           2 265.</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         259.0         2           G611.         19.9         6.7         42.         15.1         3           G628.         15.5         3.0         45.         297.0         2           G628.         -6.2         -17.2         41.         250.7         2           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -27.2         60.         250.3         20           G645.         -25.7         -33.6         71.         267.2         20           G65.&lt;</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1490.         -22.6         -27.2         60.0         256.5         20           1         245.         -25.4         -25.4         56.6         256.5         20           1</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         DEGREES (TN)           AIR         DEWPOINT         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4228.         3.4         42.         15.3         1         3           0         4228.         3.4         42.         15.1         3         1         3         1         4         4         4         2         1         3         1         4</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3  
        1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         &lt;</td></td<></td></t<> | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         2           0         19047.         -11.8         -21.0         46.         250.3         20           0         21625.         -22.6         -22.6         254.2         20           0         21679.         -22.6         41.0         256.5         20           0         21679.         -22.6         24.2         256.5         20 | GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.0         42.         15.1         3           0         10228.         10.8         2.         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         19           0         19047.         -11.8         -21.0         44.         250.3         20           0         21679.         -22.6         -27.2         6u.         250.3         20           0         2455.         -30.1         -27.2         6u.         259.2         20           0         2772.         -38.6         -57.4 <td< td=""><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         29           0 19047.         -11.8         -21.0         45.         254.2         21         2           1 16625.         -6.2         -6.2         41.         264.2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 2655.         -7.         -2.         41.         2         2         2           2 265.</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         259.0         2           G611.         19.9         6.7         42.         15.1         3           G628.         15.5         3.0         45.         297.0         2           G628.         -6.2         -17.2         41.         250.7         2           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -27.2         60.         250.3         20           G645.         -25.7         -33.6         71.         267.2         20           G65.&lt;</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.        
250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1490.         -22.6         -27.2         60.0         256.5         20           1         245.         -25.4         -25.4         56.6         256.5         20           1</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         DEGREES (TN)           AIR         DEWPOINT         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4228.         3.4         42.         15.3         1         3           0         4228.         3.4         42.         15.1         3         1         3         1         4         4         4         2         1         3         1         4</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         &lt;</td></td<> | GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         29           0 19047.         -11.8         -21.0         45.         254.2         21         2           1 16625.         -6.2         -6.2         41.         264.2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 16625.         -6.2         -7.         254.2         2         2         2           1 2655.         -7.         -2.         41.         2         2         2           2 265. | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         259.0         2           G611.         19.9         6.7         42.         15.1         3           G628.         15.5         3.0         45.         297.0         2           G628.         -6.2         -17.2         41.         250.7         2           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -17.2         41.         250.3         20           G625.         -6.2         -27.2         60.         250.3         20           G645.         -25.7         -33.6         71.         267.2         20           G65.< | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA     
     AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2 | GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1490.         -22.6         -27.2         60.0         256.5         20           1         245.         -25.4         -25.4         56.6         256.5         20           1 | GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         DEGREES (TN)           AIR         DEWPOINT         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4228.         3.4         42.         15.3         1         3           0         4228.         3.4         42.         15.1         3         1         3         1         4         4         4         2         1         3         1         4 | GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3 | GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         < |

\*\* AT LEAST ONE ASSIMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTEMPOLATION.

IOW ALIITUDL 4051.37 FEFT MSL UME 61 NSIUN NO. 113	MSL JT	SIGHIFICAN 1540 LC-37 TABLE 9	SIGNIFICANT LEVEL DATA 1540186113 LC-37 TABLE 9	АТА	GEODETIC COOKUINATES 32.40175 LAT DEG 106.31232 LON DEG
PRESSURE MILIBARS	VE GEOMETRIC ALTITUDE NS MSL FEET	TEMPER AIR ( DEGREES (	TEMPERATURE IR DEWPOINT REES CEMTIGRADE	REL.HUM. PERCENT	
872.1	4051.4	25.4	7,1	31.0	
857.4	4559.5	23.4	1.7	24.0	
850.0	4807.5	23.4	1.1	23.0	
724.6	9299.0	13.6	-2.3	33.0	
700.0	10250.4	11.0	-2.4	39.0	
652.0	_	5.0	0.4-	52.0	
591.2	_	-2.0	€.9-	62.0	
582•6	_	-3.0	0.4-	63.0	
574.4	_	-3.6	-10.5	36.0	
549.5	~	<b>-5.</b> 4	-25,3	19.0	
500.0	_	-12.0	-30°B	19.0	
492.6	_	-12.4	-31.7	18.0	
485.0	•	-12.4	-32,3	17.0	
461.8		-15.0	-34.5	17.0	
9.911	21897.4	-17.0	-28.2	37.0	
431.8	22726.6	-18.8	-59.0	40.0	
カ・カンカ	23149.9	-19.5	-33.7	27.0	
0.00+		-23.3	-35,3	39.0	
392.6		-24.5	-33.4	43.0	
381.2		-25,3	-30.1	29.0	
360.8	_	-28.4	-43.0	23.0	
321.2	•	-35.2	-45.7	33.0	
315.0	-	-36.3	-45.2	39.0	
308.6	•	-37.7	-45.0	46.0	
300.0	31305.9	-39.1	-45.5	50.0	

STATION ALTITUDE 3 JUNE 81 ASCENSION NO. 1	VOE 4	051.37 FEET NSL 1015 HRS MDF	TT NSL MDF	- <u>-</u>	UPPER AIR DAT 1540180113 LC-37 TABLE 10	34.TA		6E0DETIC 32-40 106-33	NDETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG	
SEOMETRIC ALIITUDE MSL FEET	PRESSURE MILLIGARS	TEMF AIR DEGREES	TEMPERATURE AIR DEWPOINT GREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEEU OF SOUND KNOTS	WIND DATA DIRECTION SI DEGREES(IN) KI	TA SPEED KNOTS	INDEX OF REFRACTION	
1804	7 . 78	3	r		,		9	•		
1004	850.2	4. K	1 • 7	01°10°	1013.9		0.00	0 ×	1.000255	
	8000	0.50		24.7	2.007	7.710	K • T + C			
0.0000	N. 20K	0.10	7.	24.5	2.0.46		7.00	- 0	1.000249	
0.000		6.17		7.50	06.0		F 0 -	, ,	1.000243	
6500.0		19.7		26.8	640.4	66000	2001		1.000239	
7000.0		18.6	1	27.9	936.1		16.7	4.7	1.000235	
7500.0		17.5		29.0	923.1		347.4	1.6	1 • 000232	
8000.0	758.8	16.4	-1.1	30.1	910.3		247.8	2.5	1.000228	
8200.0	745.5	15•3	-1.6	31.2	897.7		240.0	5.6	1.000225	
0.0006	732.3	14.3	-2.1	32.3	885.3		7 7	7.6	1.000221	
9500.0	719.3	13.1	-2.3	34.3	873.2	0.099	251.1	0.6	1.000218	
10000.0	700.4	11.7	-2.3	37.4	861.6		255.3	9.8	1.000216	
10500.0		10.2	-2.5	40.7	850.3		258•B	10.2	•	
11000.0		8•7	-2.9	44.1	839.4		253.7	10.9	1.000211	
11500.0		7:1		47.4	828.7	653.1	546.6		1.000208	
12000.0		2.6	-3.8	50.8	818.1	651.2	540.4	12.5	1.000205	
12500.0		**	ស <b>ំ</b>	53.2	807.2	-	235•B	13.3	1.000201	
13000.0		2.8	-5.3	55.2	796.0	_	237.8	14.4	1.000198	
13500.0		†•1	-6-1	57.1	785.1	_	238•2	16.4	1.000194	
14000•0	500		-7.0	59.0	774.3		236.7	20.1	1.000191	
14500.0		-1.3	-7.8	61.0	763.7		238∙8	22.9	1.000188	
15009-0	19090	-2.0	7.81	62.6	753.1	041	240.0	25.0	1.000184	
	6.470	9.5.	-15.9	3/•/	742.1		245.1	24.0	1.0001/5	
16000.0	262.9	0 • •	-19.6	29•0	7.00.2		246.9	22.0	1.000169	
12000	1000 8 2 8 8	T • C =	9.021	7.12	7045		2.0.0	19.0	1.000165	
17500.0		2.6	120.0	19.0	10101	0.000	# # # # # # # # # # # # # # # # # # #	18.0	1.000162	
0.000.1		0.0	70.7	0.61	687.7		245.00	20.0	1.000156	
18500.0	511.4	-10.4	5.07	Ò	677.0		24.5.7	0.10	1.000154	
19000.0	501.5	-11.8	-30.7	19.0	668.2	600	045	7.52	1.000151	
19500.0	491.7	-12.4	-31.8	17.9	656.6	629	247.9	22.5	1.000149	
20000-0	482.0	-12.7	-32.6	17.0	644.5		252•0	18.8	00014	
20500.0		-13.8	-33.5	17.0	634.4		55	15.7	1.000143	
21000.0	463.1	-14.9	-34.4	~	624.4		256.8	13.0	1.000141	
21500.0	455+B	-16.0	-30.5	27.4	614.7	624.8	257.4	13.8	1.000140	
22000.0	Z * # # # #	-17.2	-26.3	<b>~</b> (	605.1	623	257.4	16.1	1.000138	
22500.0	4,500.5	-18.5	24.	39.2	4.0%	622•	ຄຸ	18.5	'n.	
25000.0	0 * / Z to	-19.3	-31.8	31.6	545.7	620	8.6c2	•	1.000133	
23500.0	C+0T+	-50.4	-33.4	59.9	7, CO+4	019.4	505.	22.0	1.000151	

STATION ALTITUDE 4 3 JUNE 81	.111362 408	4051.37 FEET MSL 1015 HRS ADT	ET MSL £DT	-	UPPER AIN DATA 1540160113 LC-37	UATA 13		JE 00E TI	GEODETIC COUNDINATES	
A SCENS LON	NO. 113			•	TABLE 10 CON'T	T'NO		106.	31232 LON DEG	
GEUMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMF AIK DEGREES	TEMPERATURE AIK DEWPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	MEND DATA DIRE (TION SI DEGREES (IN) K	1A SPEEU KNOTS	INUEX OF REFRACTION	
24000.0	40%.8	-21.7	-33.3	34 • 1	567.7		267.0	23.1	1.000129	
24500.0	401.4	-23.1	-33.3	38.3	559.0	610.2	268.3	23.7	1.000127	
25000.0	395.2	-24.4	-33.4	42.7	550.5		50.5.0	24.1	1.000125	
25500.0	385.1	-25.0	-36-3	33.8	540.5		208.1	23.2	1.000122	
25n00.0	377.1	-25.9	-39.0	27.8	531.2		266.7	22.3	1.000120	
202000	369.2	-27.1	6.04-	25.5	522.6		267.5	21.1	1.000117	
27000.0	361.5	-28.3	-42.B	23.2	514.3		20A.4	20.1	1.000115	
27500.0	355.8	-29.5	£+34-3	24.7	505.9		269.0	20.4	1.000114	
28000.0	340.3	-30•8	-43.7	26.5	497.7		260.0	20.4	1.000112	
28500.0	339.0	-32-1	2.44-	28.4	489.7		504.5	20.1	1.000110	
29000.0	331.8	-33•3	9 to to -	30.2	481.8		260.6	21.2	1.000108	
29500.0	324.7	-34.6	# S # =	32.1	474.1		250.5	23.0	1.000106	
30000.0	317.7	-35.B	-45.4	36.3	466.3				1.000105	
30500.0	310.9	-37.2	-45.0	43.5	458.9				1.000103	
31000.0	304-1	-38.4	-45.3	48.1	451.3				1.000101	

GEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG	A SPEED KNOTS	
6E0	ATA SP	2000 2000 2000 2000 2000 2000 2000 200
	WIND DATA DIRECTION SP DEGREES(IN) KN	33.1 17.0 2541.4 257.0 237.6 245.4 245.4 269.5
EVELS 13	REL.HUM. PERCENT	223 344 500 500 500 500 500 500
MANDATORY LEVELS 1540180113 LC-37 TABLE 11	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	1.1 1.1 1.1 1.2 1.2 1.3 1.3 1.4 1.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3
z <b>-</b>	TEMP AIR DEGREES	23.4 19.7 115.7 111.0 11.0 4.8 4.8 1.2 1.2 1.3 1.3 1.3 1.3 1.3
T MSL MD 1	PRESSURE GEOPOTENTIAL ILLIBARS FEET	4804. 6526. 8335. 10240. 14368. 14368. 19050. 21677. 24546. 37243.
STATION ALTITUDE 4051.37 FEET MSL 3 JUNE 81 10.5 HRS MDT ASCENSION 40. 113	PRESSURE 6 MILLIBARS	850.0 800.0 750.0 700.0 650.0 650.0 550.0 750.0 850.0 350.0

GEODETIC COORDINATES 32.40043 LAT LEG	100.37033 LUM DEG																			
JA I A		REL . HUM.		20.0	59.0	34.1	40.4	0.99	58.0	0.44	33.⊓	51.0	31.0	24.0	0.70	61.0	70.0	98.0	53.0	36.0
STGULFTCANT LEVEL DATA 1540020370 WHITE SAUDS	2	FEMPERATULE ATH DEWOOTNI	IN GREES CENTIONADE	5.0	3.5	5.3	-1.2	7.0-	-10.0	-14.3	-21.1	-16.1	-45.4	-31.1	-21.5	-23.7	-24.5	-29.1	-37.1	ម-មស
STGHIFTO 1	TABLE 12	TEMP! ATP	FIL GREES	32.0	24.1	21.9	12.0	-2.8	-3.to	-3.9	-7.7	6.0-	-11.5	-15.1	-16.8	-18.1	-20.5	-23.2	-25.6	-30.5
45L 		PRESSURE GROMETRIC	MILLIBARS ASL FEET	3^89.0	4804.7	6681.5	10296.3	15/157.9	15939.0	1 <sub>o</sub> n59,7	17448.7	18252.5	19147.3	21498.2	22363.0	22781.6	23646.3	24666.5	25A21.1	31378.5
STATION ALTITUDE 3989.00 FEFT ASL 3 JUNE OF 1230 HRS P.DT		PNESSING	MILLIBAR	8.74.6	0.0₹8	4.967	700.0	577-4	0•69€	2.499	9-34-6	514.0	<b>₽00</b> €	455.2	436.6	4.32.2	417.2	0.004	381.2	300.0

GEODETIC COOMDINATES 32.40043 LAT DEG 106.57033 LON DEG	A INDEX SPFEL OF KHOTS REFRACTION	4.1 1.000200	4.1 1.000250	4.0 1.000203	3.9 1.000262	3.9 1.000258	-			-	-	-	-	~	-	11.0 1.000215	-	-	~	-			٦.	23.3 1.000165	23.0 1.000162	7	7	~	-	-	-		~	7	24.4 1.000145	-	-			23.8 1.pn013n
5	WIND DATA DIRECTION S DEGREES(111) K	240.0	239•9	233.2	220.3	219.5	212.5	200.1	21.9.5	223.0	250.2	239∙6	55.3.9	534.9	235.6	233.5	6.242	240+3	248.0	549.4	250.6	5.642	3.40.2 2.40.0 2.40.0	24.5.1	244.8	540.4	3+1+2	248.0	8+845	243.8	243.7	241.8	245.5	H.545	231.0	242.3	240•1	251.3	9.000	0.157
ខ្ល	SOUND SOUND KNOTS	631.9	6.180	679.4	677.1	675.2	673.2	671.5	9.609	0.860	666.3	664.7	663.1	661.5	659·8	658.2	650.5	654.8	653.1	651.4	649.7	0.049		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		639.8	638.2	636.5	634+8	633.2	631.9	0.50.7	5.6.20	628.4	627.8	65039	650	p•#20	623.5	621.7
154002037U WHITE SANDS TABLE 13	DFNSITY GMZCURIC METER	99.3.7	993.5	933.0	975.7	465.4	951.2	940.3	958.6	916.6	9.406	993.1	981.6	870.3	859.1	847.9	836.5	825.3	814.2	803.3	792.6	775.1	7-11-7	751.5	741.5	730.4	720.0	709.9	700.0	689.8	6/9.3	668.5	t, • 1 (3)	640.3	635.4	624.3	514.3	1.409	594.5	0.00
154002c37U WHITE SAHOS TABLE 13	REL.HUM. PERCEUT	20.0	20.1	25.6	5.62	30.9	32.2	33.5	34.5	35.4	36.2	37.0	37.8	38.7	39.5	41.0	43.5	46.1	48.6	51.1	53.6	55.1	54.7	63.7	65.1	47.8	40.5	36.6	34.1	ر ادا ادا	۰,•۲۰	34.5	6.05	28.5 	27.0	25.5	24.1	~	e5.• □•?•	1,3.3
1 ast 101	TEMPERATURE R DEAPOINT LES CENTIGRADE	6.2	6.3	7.8	J•1	7.3	6.5	۲•۲	8.4	6.6	3.1	2.5	1.2	• 3	٠-6	-1-3	-1.8	<b>≒</b> • c •	-3.0	9.8-	-4.3	ان. د د د	\$ . \$ . \$ . \$ . \$ . \$ . \$ . \$ . \$ . \$ .	2.5	-A.5	-13.2	-16.4	-13.9	<b>-</b> 20•9	-19.8	8.01-	-23.8	0.62-	-,77.3	-29.5	-29.8	-31.0	-24.3	-22.5	-23.9
3989370 FELT 45L 1230 BRS 8DF 0	TEMPI AIR DEGREES	32.0	31.9	9.66	27.5	25.8	24.2	22.5	21.0	19.7	18.3	16.9	15.6	14.2	12.8	11.4	10.0	ອ. ວໍາ	1.	2.7	t • 5	£ .	 - (	1 (i)	-2.9	-3.8	-5•1	-6.5	-7.8	~•6- •6-	-10.3	-11.5	-12∙0	-15•B	-15.6	-14.3	-15-1	1001-	-17.2	-18.7
TUNC . 37	PRESSURE MILLIBARS 1	874.3		450.9	844.3	829.7	810.5	301.4	787.4	773.5	759.8	746.3	733.1	720.2	707.4	2.469	681.9	669.3	650.9	644.8		1.120	7.600 50%	587.3	570.5	565.5	554.6	544.0	530.5	553.2	₽13•₽	•	495.0		1.5024		455.2	•	43/•2	450.4
STAILON ALTITUAL 3 JUNE 81 ASCENSION 110. 3	GEUNETRIC ALTITUDE MSL FEET B	3989.0	4000.0	4500.0	5000	5500•0	0000a	6500•n	70007	7500.0	3•6008	ม∙0058	90000	9500.n	0.00001	10500-0	11000.0	11500.0	12000-6	12500.0	13000-0	-	14000.0	15000.0	15500.0	100001	16500.0	17000.0	17500•0	16000-0	10500.0	19000.0	19504.0	50U002	2050 <b>9•</b> 0	<1000×0	<1500.0	22000.n	22509.0	< 3000 × 0

6E0DETIC CO04DINATES 32.40043 LAT DEG 106.37033 LOH EEG	INDEX OF REFRACTION	1.000134	1.000131	1.000128	1.000125	1.000123	1.000120	1.000118	1.000116	1.000114	1.000112	1.000110	1.000108	1.000107	1.000105	1.000103	1.000101
6E0DETI 32. 106.	SPEED KNOTS	23.R	24.7	25.7	26.2	26.3	26.5	26.3	26.1	25.5	24.9	54.6	24.2	22.8			
	WIND DATA DIRECTION SF DEGREES(TN) KR	258•5	26001	261.1	204.5	20805	270.8	271.2	271.2	409.1	207.4	270.1	272.1	0•692			
o o o o o o o o o o o o o o o o o o o	SPEED OF SOUND RIGES	620.0	613.3	616.6	615.2	613.9	612.5	610.9	4.600	607.8	600.2	9.409	603.1	601.5	599.9	598+3	590.7
JPPER AIR DATA 1540020370 WHIF SANDS TABLE 13 CON'T	DENSITY GM/CUBIC METER	577.3	568.6	560.0	551.1	545.0	533.2	524.5	515.9	507.5	199.3	7.104	493.2	475.4	467.7	460.2	452.8
J .	REL.HIM. PERCENT	68.5	65.8	60.0	50.8	0.04	33.1	33.4	33.th	33.9	34.2	34.4	34.7	35.0	35.3	35.5	35.A
T .,1SL	ERATUPE DEWPOINT CENTIGRADE	4-112-	-26.1	-28.4	-31.2	-34.6	-57.4	-38.5	-30.5	-4U•6	-41.6	-42.7	T. 7.1-	F.4.4.	5.54-	6.94-	-48.0
3989•00 FELT ,1SL 12.30 IRS 1401 10	TEMP AIR DEGREES	-20.1	-21.4	-22.8	-23.9	6.42-	-20•0	-27.3	-24.5	-29.8	-31.0	-32+3	-33.6	-34•8	-30-1	-37+3	-38•6
ГІТUD∟ ЗуВ Ж NO. J/O	PRESSURE MILLIOARS	419.7	411.2	402.8	394.5	380+3	370.3	370.2	362.3	354.6	347.0	339.6	332.4	325.3	318.4	311.6	304.9
STATTON ALTITUDE 3 JUNE 81 ASCENSION NO. J	GEORETRIC ALLITUDE MSL FEET	23500.9	24000.0	24500•0	55000.0	25500.0	20000-0	26500.0	27000.0	27500+0	2800 <b>0.</b> 0	28500.0	29000.0	29500.0	30000	30500.0	31000.0

6E0DETTC COUNCINATES 32,40043 LAT DEG 186,37033 LOM DEG													
0E0DETTC 32.40 106.53	CATA N SPEED N) KNOTS	3.9	Z•ħ	7.4	10.5	16.5	22.5	24.7	76.4	24.3	20.0	25.1	
	H. WIND CAIA I DIRECTION SPEE DEGREES(IN) KHOT	229•1	207.8	239.1	237.4	548.9	544.4	548•4	247.2	548.9	262.2	267.7	
AAMIDATOPY LEVELS 1540020370 WAITE SANDS TABLE 14	KEL.HU PEKCEN		34.	37.	40.	50.	61.	39•	31.	36.	58•	34.	36.
	TEMPERATURE AIR DEWPOLUI DEGREFS CENTIGRADE	3. K		٧٠٠	-1.2	₽•B-	-6.5	-17.5	-25.2	-26.6	-29.1	-41.2	-43.8
	TEMPP AIR JEGREFS (	28.1	25.50	17.3	12.0	6.3	٠,	-5.7	-11.5	-15.7	-23.2	-30.6	30.5
ION ALTITUDE 39A9.00 FEET 6.SL UNE 81 15101 110. 378	OPOTENTIAL FLET	48.01.	6548.	8372	10286.	12302.	14434	16698	19120	21750	24625	27788.	31316.
	PRESSURE SEUPOTENTIAL MILLIRARS FLET	0.500	0.008	7.50.0	7.10.0	650.0	600.0	550.0	2005	0.0Cn	400.0	350.0	0.001
ION ALTITUDE 3º UNE 81 HSIOH HO. STA													

